

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently amended) A toy comprising:
a body;
a wheel region that rotates about a wheel axis, the wheel region being coupled to the body such that the body moves along a moving direction as the wheel region rotates about the wheel axis;
a back region coupled to the body; and
an actuation system within the body and coupled to the back region to oscillate the back region about a back axis that is perpendicular to the wheel axis and that is parallel to the moving direction as the wheel region rotates.
2. (Currently amended) The toy of claim 1 further comprising:
a drive wheel region that rotates about a drive wheel axis that is parallel to the wheel axis and causes the body to move in a the moving direction that is perpendicular to the drive wheel axis.
3. (Currently amended) The toy of claim 1 further comprising:
a drive wheel region attached to the body to rotate about a drive wheel axis;
a motor; and
a second actuating system coupled to the motor and to the drive wheel region to move the body in a the moving direction that is perpendicular to the drive wheel axis.

4. (Original) The toy of claim 3 wherein motion of the body causes the wheel region to rotate about the wheel axis.

5. (Original) The toy of claim 1 wherein the back region comprises a crank attached to a lower surface of the back region and coupled to the actuation system to oscillate the back region as the wheel region rotates.

6. (Original) The toy of claim 5 wherein the actuation system comprises:
a crank device attached to the crank;
a coupling device attached to the crank device; and
a wheel device attached to the coupling device and to the wheel region.

7. (Original) The toy of claim 6 wherein:
the crank device includes a crank gear;
the coupling device includes a coupling gear; and
the wheel device includes a wheel gear.

8. (Original) The toy of claim 6 wherein:
the crank device includes a crank pulley;
the wheel device includes a wheel pulley; and
the coupling device includes a coupling belt that wraps around the crank pulley and the wheel pulley.

9. (Original) The toy of claim 6 wherein the wheel device is fixed to an axle of the wheel region.

10. (Currently amended) ~~The A~~ toy of claim 1 further comprising:
a body;

a wheel region that rotates about a wheel axis, the wheel region being coupled to the body;

a back region coupled to the body;

an actuation system within the body and coupled to the back region to oscillate the back region about a back axis perpendicular to the wheel axis as the wheel region rotates;

a side panel external to and attached to the body; and

an actuating device coupled to the wheel region and to the side panel to oscillate the side panel about a side panel axis that is parallel to the wheel axis as the wheel region rotates.

11. (Original) The toy of claim 10 wherein the actuating device includes a protrusion on the side panel that engages a cam on the wheel region.

12. (Original) The toy of claim 1 further comprising a tail connected to the back region to oscillate as the back region oscillates.

13. (Currently amended) The toy of claim 12 wherein the body is shaped like the body of an animal and the oscillation of the back region and the tail is consistent with a ~~waggin~~ wagging movement of the tail of the animal.

14. (Original) The toy of claim 1 wherein the back region includes:

a back panel; and

cylindrical projections that extend from side surfaces of the back panel;

wherein the cylindrical projections are shaped to fit within cavities of the body.

15. (Original) The toy of claim 14 wherein the back axis is defined by the cylindrical projections.

16. (Currently amended) The toy of claim 1 further comprising a motor that causes the toy to move in a forward moving direction and a backward moving direction, both directions being perpendicular to the wheel axis and being parallel with the moving direction.

17. (Currently amended) ~~The A~~ toy of claim 16 further comprising:

a body;

a wheel region that rotates about a wheel axis, the wheel region being coupled to the body such that the body moves along a moving direction as the wheel region rotates about the wheel axis;

a back region coupled to the body;

an actuation system within the body and coupled to the back region to oscillate the back region about a back axis perpendicular to the wheel axis as the wheel region rotates;

a pendulum rotatably attached to an inside surface of the body and free to oscillate about an axis that is perpendicular to the moving direction ~~in which the toy moves~~, and

a pivoting member coupled to the pendulum and to a cavity of the body, the pivoting member being free to oscillate about a pivot within the cavity.

18. (Currently amended) The toy of claim 17 wherein the pendulum oscillates in response to successive movements of the toy in the a forward moving direction and a backward directions moving direction.

19. (Original) The toy of claim 18 wherein the pivoting member oscillates about the pivot in response to oscillation of the pendulum.

20. (Original) The toy of claim 17 wherein at least a portion of the pivoting member is external to the body.

21. (Original) The toy of claim 19 further comprising an output device within the body, wherein the controller causes the output device to output a signal when the pivoting member oscillates.

22. (Original) The toy of claim 1 further comprising a flexible skin surrounding the body.

23. (Original) The toy of claim 1 wherein the body is in the shape of an animal.

24. (Original) The toy of claim 23 wherein the body is in the shape of a cat or a dog.

25-35. (Canceled)

36. (Currently amended) A method of moving a toy, the method comprising:
rotating a wheel attached to a body of the toy about a wheel axis to cause the body of the toy to move; and

rotating a steering bar fixed to a first portion of the body about a pivoting axis that is perpendicular to the wheel axis; and

linking the steering bar with a hinge device that is fixed to a second portion of the body such that the pivoting a first portion of the body is pivoted relative to a the second portion of the body about a the pivoting axis that is perpendicular to the wheel axis while the steering bar is rotated and while the body of the toy moves in a direction perpendicular to the wheel axis and the pivoting axis due to rotation of the wheel.

37. (Original) The method of claim 36 further comprising determining the position of the first body portion relative to the second body portion.

38. (Original) The method of claim 37 wherein pivoting the first body portion relative to the second body portion is based on the determined position.

39. (Currently amended) ~~The A method of claim 36 further moving a toy, the~~
method comprising:

rotating a wheel attached to a body of the toy about a wheel axis to cause the body of the toy to move;

pivoting a first portion of the body relative to a second portion of the body about a pivoting axis that is perpendicular to the wheel axis while the body of the toy moves in a direction perpendicular to the wheel axis and the pivoting axis due to rotation of the wheel;

oscillating a pendulum rotatably attached to an inside surface of the body about an axis that is perpendicular to the direction in which the toy moves in response to successive movements of the toy in a forward and backward direction, and

oscillating a pivoting member coupled to the pendulum and to a cavity of the body in response to oscillation of the pendulum.

40. (Original) The method of claim 39 further comprising outputting a signal to an output device within the body when the pivoting member is oscillating.

41. (Currently amended) A toy comprising:

a body including a first body portion and a second body portion;

a wheel attached to the body of the toy and able to rotate about a wheel axis to cause the body of the toy to move in a direction perpendicular to the wheel axis; and

an actuation system within the body, the actuation system including:

a steering bar fixed to the first body portion,

a hinge device fixed to the second body portion, and

a linkage rotatably connected to the steering bar and to the hinge device such that as the steering bar is rotated about a pivoting axis that is perpendicular to the wheel axis

and the direction of the toy, causes the first body portion is caused to rotate relative to the second body portion about a the pivoting axis that is perpendicular to the wheel axis and the direction of motion of the toy.

42. (Original) The toy of claim 41 wherein:

the first body portion houses a wiper contact that includes electrically-conductive paths, and

the second body portion houses a set of conductive wipers that protrude from a surface of the second body portion and contact the electrically-conductive paths.

43. (Original) The toy of claim 42 further comprising a controller coupled to the electrically-conductive paths to determine a location of the first body portion relative to the second body portion.

44. (Original) The toy of claim 43 further comprising a sensory region on the body of the toy and coupled to the controller, wherein the controller is coupled to the actuation system to activate the actuation system upon receiving input from the sensory region.

45. (Original) The toy of claim 44 wherein the sensory region includes a microphone and the controller activates the actuation system in response to input from the sensory region that indicates a sound has been detected.

46. (Original) The toy of claim 41 further comprising a head region attached to the first body portion, wherein the actuation system animates the head region after causing the first body portion to rotate relative to the second body portion.

47. (Currently amended) ~~The A toy of claim 41 further comprising:~~
a body including a first body portion and a second body portion;

a wheel attached to the body of the toy and able to rotate about a wheel axis to cause the body of the toy to move in a direction perpendicular to the wheel axis;

an actuation system within the body that causes the first body portion to rotate relative to the second body portion about a pivoting axis that is perpendicular to the wheel axis and the direction of motion of the toy;

a pendulum rotatably attached to an inside surface of the body and free to oscillate about an axis that is perpendicular to the direction in which the toy moves, and

a pivoting member coupled to the pendulum and to a cavity of the body, the pivoting member being free to oscillate about a pivot within the cavity.

48. (Original) The toy of claim 47 wherein the pendulum oscillates in response to successive movements of the toy in forward and backward directions.

49. (Original) The toy of claim 48 wherein the pivoting member oscillates about the pivot in response to oscillation of the pendulum.

50. (Original) The toy of claim 48 further comprising an output device within the body that outputs a signal when the pivoting member oscillates.

51. (Original) The toy of claim 50 wherein the body is in the shape of an animal and the pivoting member is in the shape of a tongue of the animal such that oscillation of the pivoting member resembles a panting motion and the output device outputs a panting sound during the panting motion.

52-86. (Canceled)

87. (New) A toy comprising:
a body including a first body portion and a second body portion;

a wheel attached to the body of the toy and able to rotate about a wheel axis to cause the body of the toy to move in a direction perpendicular to the wheel axis;

an actuation system within the body that causes the first body portion to rotate relative to the second body portion about a pivoting axis that is perpendicular to the wheel axis and the direction of motion of the toy; and

a sensor apparatus within the body that determines a location of the first body portion relative to the second body portion.

88. (New) The toy of claim 87 wherein the sensor apparatus includes:

a wiper contact housed in the first body portion, the wiper contact including electrically-conductive paths;

a set of conductive wipers housed in the second body portion, the wiper set protruding from a surface of the second body portion and contacting the electrically-conductive paths; and
a controller coupled to the electrically-conductive paths.